

ABSTRACT

This invention relates to a rubber composition possessing high wear resistance and low heat buildup, and more particularly to a rubber composition comprising 100 parts by mass of a diene polymer 5 and 20-250 parts by mass of a carbon black as a filler, characterized in that the carbon black has a dibutyl phthalate (DBP) absorption number of 40-180 cm³/100 g, a nitrogen adsorption specific surface area (N₂SA) of 40-300 m²/g, a tint strength (TINT) of 50-150% and a light transmittance of toluene extract of not less than 90% and a relation 10 between the nitrogen adsorption specific surface area and the light transmittance of toluene extract satisfies the following equation (I):

$$0.0283 \times A \times (100-B) \leq 40 \cdots \cdots \text{ (I)}$$

(wherein A is a nitrogen adsorption specific surface area and B is a light transmittance of toluene extract).